

CONTENTS OF VOLUME 150

Vol. 150B, No. 1

General papers

J. De Caro, C. Eydoux, S. Chérif, R. Lebrun, Y. Gargouri, F. Carrière and A. De Caro	1	Occurrence of pancreatic lipase-related protein-2 in various species and its relationship with herbivore diet
Y. Dauphin, JP. Cuif and C.T. Williams	10 -	Soluble organic matrices of aragonitic skeletons of Merulinidae (Cnidaria, Anthozoa)
J.M.O. Fernandes, M. Mommens, Ø. Hagen, I. Babiak and C. Solberg	23	Selection of suitable reference genes for real-time PCR studies of Atlantic halibut development
A. Mackert, A.M. do Nascimento, M.M.G. Bitondi, K. Hartfelder and Z.L.P. Simões	33	Identification of a juvenile hormone esterase-like gene in the honey bee, Apis mellifera L. — Expression analysis and functional assays
K.G. Takahashi, T. Kuroda and K. Muroga	45	Purification and antibacterial characterization of a novel isoform of the Manila clam lectin (MCL-4) from the plasma of the Manila clam, Ruditapes philippinarum
A.V. Ivanina, I.M. Sokolova and A.A. Sukhotin	53	Oxidative stress and expression of chaperones in aging mollusks
P.A. Fields, C.M. Strothers and M.A. Mitchell	62	Function of muscle-type lactate dehydrogenase and citrate synthase of the Galápagos marine iguana, <i>Amblyrhynchus cristatus</i> , in relation to temperature
G. Osthoff, L. Dickens, T. Urashima, S.L. Bonnet, Y. Uemura and J.H. van der Westhuizen	74	Structural characterization of oligosaccharides in the milk of an African elephant (Loxodonta africana africana)
S. Subramanian, N.W. Ross and S.L. MacKinnon	85	Comparison of antimicrobial activity in the epidermal mucus extracts of fish
E. Fuentes, E. Poblete, A.E. Reyes, M.I. Vera, M. Álvarez and A. Molina	93	Dynamic expression pattern of the growth hormone receptor during early development of the Chilean flounder
M.V. Espelt, K. Alleva, G. Amodeo, G. Krumschnabel, R.C. Rossi and P.J. Schwarzbaum	103	Volumetric response of vertebrate hepatocytes challenged by osmotic gradients: A theoretical approach
Y. Kawakami, K. Yokoi, H. Kumai and H. Ohta	112	The role of thyroid hormones during the development of eye pigmentation in the Pacific bluefin tuna (<i>Thunnus orientalis</i>)
C. Nikapitiya, M. De Zoysa, HS. Kang, C. Oh, I. Whang and J. Lee	117	Molecular characterization and expression analysis of regucalcin in disk abalone (Haliotis discus discus): Intramuscular calcium administration stimulates the regucalcin mRNA expression

Contents of volume

M. Ueda, T. Asano, M. Nakazawa, K. Miyatake and K. Inouye	125	Purification and characterization of novel raw-starch-digesting and cold-adapted α -amylases from $\textit{Eisenia foetida}$
C. Conesa, L. Sánchez, C. Rota, M.D. Pérez, M. Calvo, S. Farnaud and R.W. Evans	131	Isolation of lactoferrin from milk of different species: Calorimetric and antimicrobial studies
	I	Announcement: 25th ESCPBnew Conference - Ravenna (Italy), 7-11 September 2008
		Vol. 150B, No. 2
General papers		
Y.S. Choi, Y.M. Choo, K.S. Lee, H.J. Yoon, I. Kim, Y.H. Je, H.D. Sohn and B.R. Jin	141	Cloning and expression profiling of four antibacterial peptide genes from the bumblebee Bombus ignitus
G.M. Toral, J. Figuerola and J.J. Negro	147	Multiple ways to become red: Pigment identification in red feathers using spectrometry
F.J. Cinco-Moroyoqui, F.I. Díaz-Malváez, A. Alanís-Villa, J.M. Barrón-Hoyos, J.L. Cárdenas-López, M.O. Cortez-Rocha and F.J. Wong-Corral	153	Isolation and partial characterization of three isoamylases of <i>Rhyzopertha dominica</i> F. (Coleoptera: Bostrichidae)
B.Y. Kim, K.S. Lee, Y.M. Choo, I. Kim, Y.H. Je, S.D. Woo, S.M. Lee, H.C. Park, H.D. Sohn and B.R. Jin	161	Insect transferrin functions as an antioxidant protein in a beetle larva
C.M. Gillen, Y. Gao, M.M. Niehaus-Sauter, M.R. Wylde and M.G. Wheatly	170	Elongation factor $1B\gamma$ (eEF1 $B\gamma$) expression during the molting cycle and cold acclimation in the crayfish <i>Procambarus clarkii</i>
J.J. Amberg, C. Myr, Y. Kamisaka, AE.O. Jordal, M.B. Rust, R.W. Hardy, R. Koedijk and I. Rønnestad	177	Expression of the oligopeptide transporter, PepT1, in larval Atlantic cod (Gadus morhua)
S.D. Aird	183	Nucleoside composition of Heloderma venoms
Q. Wan, I. Whang and J. Lee	187	Molecular characterization of mu class glutathione-S-transferase from disk abalone (Haliotis discus discus), a potential biomarker of endocrine-disrupting chemicals
V. Desrosiers, N.R. Le François, H. Tveiten, I. Andreassen and P.U. Blier	200	Ontogenesis of catabolic and energy metabolism capacities during the embryonic development of spotted wolffish (Anarhichas minor)
M. Słowińska, M. Olczak, M. Wojtczak, J. Glogowski, J. Jankowski, W. Wątorek, R. Amarowicz and A. Ciereszko	207	Isolation, characterization and cDNA sequencing of a Kazal family proteinase inhibitor from seminal plasma of turkey (Meleagris gallopavo)
K. Sakamoto, S. Uji, T. Kurokawa and H. Toyohara	216	Immunohistochemical, in situ hybridization and biochemical studies on endogenous cellulase of Corbicula japonica
S.D. Aird	222	Snake venom dipeptidyl peptidase IV: Taxonomic distribution and quantitative variation
K. Hashimoto, Y. Yamano and I. Morishima	229	Cloning and expression of a gene encoding gallerimycin, a cysteine-rich antifungal peptide, from eri-silkworm, Samia cynthia ricini
L. Sangiorgio, B. Strumbo, T.A.L. Brevini, S. Ronchi and T. Simonic	233	A putative protein structurally related to zygote arrest 1 (Zar1), Zar1-like, is encoded by a novel gene conserved in the vertebrate lineage

S. Minagawa, M. Sugiyama, M. Ishida, 240 Kunitz-type protease inhibitors from acrorhagi of three species of sea anemones Y. Nagashima and K. Shiomi Vol. 150B, No. 3 General papers E. Perera, F.J. Moyano, M. Díaz, 247 Polymorphism and partial characterization of digestive enzymes in the spiny R. Perdomo-Morales, V. Montero-Alejo, lobster Panulirus argus E. Alonso, O. Carrillo and G.S. Galich F. Gao, H. Yang, Q. Xu, F. Wang, G. Liu and 255 Phenotypic plasticity of gut structure and function during periods of inactivity in D.P. German Apostichopus japonicus M. Li, G. Saren and S. Zhang 263 Identification and expression of a ferritin homolog in amphioxus Branchiostoma belcheri: Evidence for its dual role in immune response and iron metabolism H. Alout, L. Djogbénou, C. Berticat, Comparison of Anopheles gambiae and Culex pipiens acetycholinesterase 1 271 F. Chandre and M. Weill biochemical properties F. He, H.S. Wen, S.L. Dong, L.S. Wang, Identification of estrogen receptor α gene polymorphisms by SSCP and its effect 278 C.F. Chen, B. Shi, X.J. Mu, J. Yao and on reproductive traits in Japanese flounder (Paralichthys olivaceus) Y.G. Zhou K.W. An, E.R. Nelson, P.G. Jo. Characterization of estrogen receptor $\beta 2$ and expression of the estrogen receptor 284 H.R. Habibi, H.S. Shin and C.Y. Choi subtypes α , β 1, and β 2 in the protandrous black porgy (Acanthopagrus schlegeli) during the sex change process L.M. Moreira, A.L. Poli, J.P. Lyon, 292 Ferric species of the giant extracellular hemoglobin of Glossoscolex paulistus as function of pH: An EPR study on the irreversibility of the heme transitions J. Saade, A.J. Costa-Filho and H. Imasato B.D. Humphrey, S. Kirsch and D. Morris Molecular cloning and characterization of the chicken cationic amino acid 301 transporter-2 gene Characterization of a novel bacterial arginine kinase from Desulfotalea psychrophila L.D. Andrews, J. Graham, M.J. Snider and 312 D. Fraga G.-F. Qiu, L. Zheng and P. Liu 320 Transcriptional regulation of ferritin mRNA levels by iron in the freshwater giant prawn, Macrobrachium rosenbergii H.C. Manso Filho, H.E.C. Costa, 326 Distribution of glutamine synthetase and an inverse relationship between glutamine synthetase expression and intramuscular glutamine concentration in Y. Wang, K.H. McKeever and M. Watford the horse C. Chotwiwatthanakun, J. Ngopon, 331 The ribophorin I from Penaeus monodon shrimp: cDNA cloning, expression and S. Unajak and S. Jitrapakdee phylogenetic analysis N.W. Cole, K.R. Weaver, B.N. Walcher, 338 Hyperglycemia-induced membrane lipid peroxidation and elevated homocysteine Z.F. Adams and R.R. Miller Jr. levels are poorly attenuated by exogenous folate in embryonic chick brains Change in hepatic and plasma bile acid contents and its regulatory gene 344 M. Sato, K. Sato and M. Furuse expression in the chicken embryo

Vol. 150B, No. 4

General papers

S.M.A. Kawsar, Y. Fujii, R. Matsumoto, T. Ichikawa, H. Tateno, J. Hirabayashi, H. Yasumitsu, C. Dogasaki, M. Hosono, K. Nitta, J. Hamako, T. Matsui and Y. Ozeki	349	Isolation, purification, characterization and glycan-binding profile of a D-galacto-side specific lectin from the marine sponge, <i>Halichondria okadai</i>
CY. Pan, JY. Chen, IH. Ni, JL. Wu and CM. Kuo	358	Organization and promoter analysis of the grouper (Epinephelus coioides) epinecidin-1 gene
N. Kim, Y.M. Choo, K.S. Lee, S.J. Hong, K.Y. Seol, Y.H. Je, H.D. Sohn and B.R. Jin	368	Molecular cloning and characterization of a glycosyl hydrolase family 9 cellulase distributed throughout the digestive tract of the cricket <i>Teleogryllus emma</i>
K. Murashita, S. Uji, T. Yamamoto, I. Rønnestad and T. Kurokawa	377	Production of recombinant leptin and its effects on food intake in rainbow trout (Oncorhynchus mykiss)
J.W. Louda, R.R. Neto, A.R.M. Magalhaes and V.F. Schneider	385	Pigment alterations in the brown mussel Perna perna
KW. Lee, DS. Hwang, JS. Rhee, JS. Ki, H.G. Park, JC. Ryu, S. Raisuddin and JS. Lee	395	Molecular cloning, phylogenetic analysis and developmental expression of a vitellogenin (Vg) gene from the intertidal copepod Tigriopus japonicus
S.M. Paskewitz and O. Andreev	403	Silencing the genes for dopa decarboxylase or dopachrome conversion enzyme reduces melanization of foreign targets in <i>Anopheles gambiae</i>
N. Itoh and K.G. Takahashi	409	Distribution of multiple peptidoglycan recognition proteins in the tissues of Pacific oyster, Crassostrea gigas
M. Ponce, C. Infante, V. Funes and M. Manchado	418	Molecular characterization and gene expression analysis of insulin-like growth factors I and II in the redbanded seabream, <i>Pagrus auriga</i> : transcriptional regulation by growth hormone
E. Genin, G. Wielgosz-Collin, JM. Njinkoué, N.E. Velosaotsy, JM. Kornprobst, JP. Gouygou, J. Vacelet and G. Barnathan	427	New trends in phospholipid class composition of marine sponges
D.L. Allen and M. Du	432	Comparative functional analysis of the cow and mouse myostatin genes reveals novel regulatory elements in their upstream promoter regions
A.J. Lengi and B.A. Corl	440	Comparison of pig, sheep and chicken SCD5 homologs: Evidence for an early gene duplication event
X. Xu, S. Xing, ZQ. Du, M.F. Rothschild, M. Yerle and B. Liu	447	Porcine TEF1 and RTEF1: Molecular characterization and association analyses with growth traits
	I	Contents of Volume 150
	V	Subject Index

Author Index

VII

SUBJECT INDEX

Vol. 150B, Nos. 1-4

A₄-lactate dehydrogenase, 62

Abaecin, 141 Abalone, 187 Acrorhagi, 240 Actin, 23

Actinia equina, 240 Adenosine, 183 African elephant, 74 Age polyethism, 33

Aging, 53 Alpaca LF, 131

Amblyrhynchus cristatus, 62 Amino acid sequence, 1 Aminopeptidase, 222 Amphioxus, 263 α-amylase, 125

α-Amylase inhibitors, 153 Anarhichas minor, 200 Anopheles gambiae, 271, 403 Anorexic effect, 377

Anthopleura aff. xanthogrammica, 240

Anthopleura fuscoviridis, 240 Antibacterial activity, 45, 131 Antibacterial peptide, 141 Antifungal peptide, 229 Antimicrobial activity, 85 Antimicrobial components, 85 Antimicrobial peptide, 358 Antioxidant protein, 161

Antioxidants, 53 Apidaecin, 141

Apoptotic cell death, 161 Aquomet species, 292 Arginine, 301 Arginine kinase, 312 Asian elephant LF, 131

Association analyses, 447 Atlantic halibut, 23

Beaded lizards, 183 Bile acid, 344 Biomarker, 187 Biomineralization, 10 Biomonitoring, 395 Bird pigments, 147 Bivalve, 216 Bivalves, 409 Black porgy, 284

Black porgy, 284
Bombus ignitus, 141
Brain, 229

Brain, 338 Branchiostoma, 263 Bumblebee, 141 C/EBP, 229

Calcium binding protein, 117 Calcium chloride, 117

Calcium-dependent lectin, 45

Camel LF, 131 Carotenoids, 147

Catabolic capacities, 200 Cattle, cDNA cloning, 233

cDNA, 207

cDNA cloning, 141, 320 Cell volume, 103 Cellulase, 368 Cellulose, 216 Characterization, 247

Chick, 338

Chicken, 301, 344, 440 Chilean flounder, 93 Chromatography, 147 Citrate synthase, 62

Classical pancreatic lipase, 1 Cod, 177

Cold acclimation, 170 Cold-adapted enzyme, 125 Colesterol 7 α-hydroxylase, 344

Copepods, 395

Corbicula japonica, 216 Crassostrea gigas, 409

Crayfish, 170 Crc Crotalus viridis lutosus, 222 Crc Crotalus viridis viridis, 222

Creatine kinase, 312 Cricket, 368

Crystalline style, 216 Culex pipiens, 271 Cyprinids, 103 Cytidine, 183

Defensin, 141 Denaturation, 292 Deposit feeder, 255 Desaturase, 440 Development, 23

Developmental expression, 395

Diet, 1 Digestion, 1

Digestive enzymes, 247, 255 Digestive gland, 216, 247 Digestive tract, 255

Dipeptidyl peptidase IV, 222

Diplotype, 278 DPP IV, 222 DSC, 131 Early development, 112

Early development expression pattern, 93

Earthworm Eisenia foetida, 125

EDCs, 187 Egg survival, 200 Elapidae, 222

Electron paramagnetic resonance (EPR), 292

Elongation factor, 170

Embryo, 344

Embryonic development, 200 Endocrine disruption, 395 Endoglucanase, 368 Energy metabolism, 200 Enzymatic activity, 222 Enzymatic pattern, 200 Enzyme, 368

Enzymatic pattern, 200
Enzyme, 368
Enzymes, 183
Epidermal mucus, 85
Equine, 326
Eri-silkworm, 229
Estrogen receptor, 284
Estrogen receptor α , 278
Exogenous feeding, 177

Expression, 177

Extracellular hemoglobin, 292

Feed ingestion, 377 Ferric heme, 292 Ferritin, 263, 320 Fish, 85, 377

Frontal affinity chromatography, 349

Gadus morhua, 177 Galactolipases, 1 Galactolipids, 1 Galectin, 349 Gallerimycin, 229

Gel filtration chromatography, 183 Gene expression, 117, 409, 418

Gene structure, 141
Genomic context, 233
Glossoscolex paulistus, 292

Glutamine, 326

Glutamine synthetase, 326

Glycoside hydrolase family 9 (GHF 9), 368

Goat LF, 131 Grey seal milk, 131 Grouper, 358

Growth hormone, 418 Growth hormone receptor, 93

Growth traits, 447

GST, 187

Subject Index

Guanosine, 183 Gut size, 255

Halichondria okadai, 349 Haliotis discus discus, 117 Heat shock proteins, 53 Hemichrome, 292 Hepatopancreas, 247 Hippoglossus hippoglossus, 23 Histology, 284

Homocysteine, 338 Homology modeling, 187

Honey bee, 33

Horizontal gene transfer, 312 Horse, 326

Host defense, 45 Housekeeping genes, 23 HPLC, 147 HPTLC, 427 Human LF, 131 Hymenoptaecin, 141 Hyperglycemia-induced, 338

IGF-I, 418 IGF-II, 418 Iguana iguana, 62 In silico analyses, 233 Innate immunity, 85, 409 Inosine, 183

Hypoxanthine, 183

Insect, 161, 368 Insect immunity, 229, 403 Insensitive AChE, 271

Insulin-like growth factors, 418

Invertebrate, 255

Invertebrate regucalcin, 117

Iron, 161, 263, 320 Isoenzyme, 247 Isoforms, 440

Japanese flounder, 278 Juvenile hormone esterase, 33

Kazal family proteinase inhibitor, 207 Kunitz-type protease inhibitor, 240

Leptin, 377
Lipid metabolism, 344
Lipopolysaccharide, 263
Liver, 344
Liver X receptor alpha, 344
Loxodonta africana, 74
Lysine, 301

Macrobrachium rosenbergii, 320 Marine sponges, 427 Melanin, 147 Melanization, 403 Membrane lipid peroxidation, 338 Merulinidae, 10 Metamorphosis, 33 Methimazole, 112 Microdiet, 177 Milk, 74 Mollusk, 53 Molting cycle, 170 Mosquito, 403 mRNA expression, 233 Muscle, 326, 432 Myogenesis, 447 Myostatin, 432

NADase assay, 183 Near-isogenic wheat lines, 153 NF-κB, 229

Nitric oxide, 301 NMR spectroscopy, 74

NPY, 377 Nucleosides, 183 Nutrition, 74

Obese gene, 377 Oligopeptide transporter, 177

Oligosaccharide, 74 Oligosaccharyl transferase complex, 331

Opsonin, 45

Oxidative stress, 53, 161

Pacific bluefin tuna, 112 Pacific oyster, 409 Pagrus auriga, 418

Pancreatic lipase-related protein-2, 1

Panulirus, 247

Pattern recognition receptors (PRRs), 409

Pectoralis, 301

Penaeus monodon, 331

PepT1, 177

Peptidoglycan recognition proteins (PGRPs),

409

Peptidoglycans (PGN), 409 Phosphagen kinase, 312 Phospholipids, 427

Phylogenetic relationship, 395

Pig, 440 Plasma, 45

Plumage coloration, 147

POMC, 377 Porcine, 447

Primary structure, 349 Promoter analysis, 358 Protandrous fish, 284 Proteo-bacteria, 312 Purification, 45, 125 Purines, 183

Pyrimidines, 183

qPCR, 23

R. dominica isoamylases, 153
Random sequential mechanism, 312
Raw starch-digestion, 125
Real-time PCR, 170
Real time PCR, 331
Recombinant protein, 377
Redbanded seabream, 418
Reference genes, 23
Reflectance spectrometry, 147
Regulated expression, 320

Reproductive traits, 278
Resistance management, 271
Retinal pigmentation epithelium, 112
Reverse phase chromatography, 183
Reverse transcription-polymerase chain

reaction (RT-PCR), 432 Ribophorin I, 331

RNA interference, 161

RNAi, 33 Rotifer diet, 177 RTEF1, 447

Ruditapes philippinarum, 45

RVD, 103

S-adenosylhomocysteine, 338 S-adenosylmethionine, 338 Samia cynthia ricini, 229 Scanning densitometry, 427 SCD homologs, 440 Sea anemone, 240

Sea anemone, 240 Sea cucumber, 255 Semen, 207

Semi-quantitative RT-PCR, 187

Sex change, 284 Sheep, 440 Sheep LF, 131 Skeletons, 10 Snake venoms, 222 SNPs, 278

Soluble organic matrices, 10

Spiny lobster, 247 Sponge lectin, 349 Starch hydrolysis, 153

Sterol regulatory element-binding proteins,

344

Stress response, 161 System y⁺, 301

TEF1, 447
Teleogryllus emma, 368
Teleost, 103, 177
Temperature, 62
Thyroid hormone, 112
Transcription, 170
Transferrin, 161

Transition irreversibility, 292

Transport, 301 Tubulin, 23 Turkey, 207 Type II chain, 74

Uridine, 183

Variability, 222 Venoms, 183 Vertebrates, 233 Viperidae, 222 Vitellogenin, 395 Volume sensing, 103

Water transport, 103 Wheat albumins, 153

Whole mount in situ hybridization, 93

Zar1-like, 233

AUTHOR INDEX

Vol. 150B, Nos. 1-4

Adams, Z.F., 338
Aird, S.D., 183
Aird, S.D., 222
Alanís-Villa, A., 153
Allen, D.L., 432
Alleva, K., 103
Alonso, E., 247
Alout, H., 271
Álvarez, M., 93
Amarowicz, R., 207
Amberg, J.J., 177
Amodeo, G., 103
An, K.W., 284
Andreassen, I., 200
Andreev, O., 403
Andrews, L.D., 312
Asano, T., 125

Babiak, I., 23
Barnathan, G., 427
Barrón-Hoyos, J.M., 153
Berticat, C., 271
Bitondi, M.M.G., 33
Blier, P.U., 200
Bonnet, S.L., 74
Brevini, T.A.L., 233

Calvo, M., 131 Cárdenas-López, J.L., 153 Carrière, F., 1 Carrillo, O., 247 Chandre, F., 271
Chen, C.F., 278
Chen, JY., 358
Chérif, S., 1
Choi, C.Y., 284
Choi, Y.S., 141
Choo, Y.M., 141
Choo, Y.M., 161
Choo, Y.M., 368
Chotwiwatthanakun, C., 331
Ciereszko, A., 207
Cinco-Moroyoqui, F.J., 153
Cole, N.W., 338
Conesa, C., 131
Corl, B.A., 440
Cortez-Rocha, M.O., 153
Costa, H.E.C., 326
Costa-Filho, A.J., 292
Cuif, JP., 10
Cuii, jr., 10

Dauphin, Y., 10
De Caro, A., 1
De Caro, J., 1

De Zoysa, M., 117
Desrosiers, V., 200
Díaz, M., 247
Díaz-Malváez, F.I., 153
Dickens, L., 74
Djogbénou, L., 271
do Nascimento, A.M., 33
Dogasaki, C., 349
Dong, S.L., 278
Du, M., 432
Du, ZQ., 447

Espelt,	M.V.,	103
Evans,	R.W.,	131
Eydoux	k, C., 1	

Farnaud, S., 131
Fernandes, J.M.O., 23
Fields, P.A., 62
Figuerola, J., 147
Fraga, D., 312
Fuentes, E., 93
Fujii, Y., 349
Funes, V., 418
Furuse, M., 344

Galich, G.S., 247
Gao, F., 255
Gao, Y., 170
Gargouri, Y., 1
Genin, E., 427
German, D.P., 255
Gillen, C.M., 170
Glogowski, J., 207
Gouygou, JP., 427
Graham, J., 312

Habibi, H.R., 284
Hagen, Ø., 23
Hamako, J., 349
Hardy, R.W., 177
Hartfelder, K., 33
Hashimoto, K., 229
He, F., 278
Hirabayashi, J., 349
Hong, S.J., 368
Hosono, M., 349
Humphrey, B.D., 301
Hwang, DS., 395

Ichikawa, T., 349
Imasato, H., 292
Infante, C., 418
Inouye, K., 125

Ishida, N	<i>1.</i> , 24	0
Itoh, N.,	409	
Ivanina,	A.V.,	53

Jankowski, J., 207
Je, Y.H., 141
Je, Y.H., 161
Je, Y.H., 368
Jin, B.R., 141
Jin, B.R., 161
Jin, B.R., 368
Jitrapakdee, S., 331
Jo, P.G., 284
Jordal, AE.O., 177
Kamisaka, Y., 177
Kang, HS., 117
Varraliami V 113

Kamisaka, Y., 177
Kang, HS., 117
Kawakami, Y., 112
Kawsar, S.M.A., 349
Ki, JS., 395
Kim, B.Y., 161
Kim, I., 141
Kim, I., 161
Kim, N., 368
Kirsch, S., 301
Koedijk, R., 177
Kornprobst, JM., 427
Krumschnabel, G., 103
Kumai, H., 112
Kuo, CM., 358
Kuroda, T., 45
Kurokawa, T., 216
Kurokawa, T., 377

Le Francois, N.R., 200
Lebrun, R., 1
Lee, J., 117
Lee, J., 187
Lee, JS., 395
Lee, K.S., 141
Lee, K.S., 161
Lee, K.S., 368
Lee, KW., 395
Lee, S.M., 161
Lengi, A.J., 440
Li, M., 263
Liu, B., 447
Liu, G., 255
Liu, P., 320
Louda, J.W., 385
Lyon, J.P., 292

Mackert, A., 33 MacKinnon, S.L., 85

Author Index

Magalhaes, A.R.M., 385 Manchado, M., 418 Manso Filho, H.C., 326 Matsui, T., 349 Matsumoto, R., 349 McKeever, K.H., 326 Miller Jr., R.R., 338 Minagawa, S., 240 Mitchell, M.A., 62 Miyatake, K., 125 Molina, A., 93 Mommens, M., 23 Montero-Alejo, V., 247 Moreira, L.M., 292 Morishima, I., 229 Morris, D., 301 Moyano, F.J., 247 Mu, X.J., 278 Murashita, K., 377 Muroga, K., 45 Myr, C., 177

Nagashima, Y., 240 Nakazawa, M., 125 Negro, J.J., 147 Nelson, E.R., 284 Neto, R.R., 385 Ngopon, J., 331 Ni, I.-H., 358 Niehaus-Sauter, M.M., 170 Nikapitiya, C., 117 Nitta, K., 349 Njinkoué, J.-M., 427

Oh, C., 117 Ohta, H., 112 Olczak, M., 207 Osthoff, G., 74 Ozeki, Y., 349

Pan, C.-Y., 358
Park, H.C., 161
Park, H.G., 395
Paskewitz, S.M., 403
Perdomo-Morales, R., 247
Perera, E., 247
Pérez, M.D., 131
Poblete, E., 93
Poli, A.L., 292
Ponce, M., 418

Qiu, G.-F., 320

Raisuddin, S., 395 Reyes, A.E., 93 Rhee, J.-S., 395 Rønnestad, I., 177 Rønnestad, I., 377 Ronchi, S., 233 Ross, N.W., 85 Rossi, R.C., 103 Rota, C., 131 Rothschild, M.F., 447 Rust, M.B., 177 Ryu, J.-C., 395

Saade, J., 292 Sakamoto, K., 216 Sánchez, L., 131 Sangiorgio, L., 233 Saren, G., 263 Sato, K., 344 Sato, M., 344 Schneider, V.F., 385 Schwarzbaum, P.J., 103 Seol, K.Y., 368 Shi, B., 278 Shin, H.S., 284 Shiomi, K., 240 Simões, Z.L.P., 33 Simonic, T., 233 Snider, M.J., 312 Sohn, H.D., 141 Sohn, H.D., 161 Sohn, H.D., 368 Sokolova, I.M., 53 Solberg, C., 23 Słowińska, M., 207 Strothers, C.M., 62 Strumbo, B., 233 Subramanian, S., 85

Takahashi, K.G., 45 Takahashi, K.G., 409 Tateno, H., 349 Toral, G.M., 147 Toyohara, H., 216 Tveiten, H., 200

Sugiyama, M., 240

Sukhotin, A.A., 53

Ueda, M., 125 Uemura, Y., 74 Uji, S., 216 Uji, S., 377 Unajak, S., 331 Urashima, T., 74

Vacelet, J., 427 van der Westhuizen, J.H., 74 Velosaotsy, N.E., 427 Vera, M.I., 93

Walcher, B.N., 338 Wan, Q., 187 Wang, F., 255 Wang, L.S., 278 Wang, Y., 326 Watford, M., 326 Watorek, W., 207 Weaver, K.R., 338 Weill, M., 271 Wen, H.S., 278 Whang, I., 117 Whang, I., 187 Wheatly, M.G., 170 Wielgosz-Collin, G., 427 Williams, C.T., 10 Wojtczak, M., 207 Wong-Corral, F.J., 153 Woo, S.D., 161 Wu, J.-L., 358 Wylde, M.R., 170

Xing, S., 447 Xu, Q., 255 Xu, X., 447

Yamamoto, T., 377 Yamano, Y., 229 Yang, H., 255 Yao, J., 278 Yasumitsu, H., 349 Yerle, M., 447 Yokoi, K., 112 Yoon, H.J., 141

Zhang, S., 263 Zheng, L., 320 Zhou, Y.G., 278